

U.S. DEPARTMENT OF THE INTERIOR  
U.S. Geological Survey  
WATER RESOURCES DIVISION  
**DISCHARGE MEASUREMENT NOTES**

Sta. No. Sunk Fe @ B2

Meas. No. \_\_\_\_\_

Comp. by \_\_\_\_\_

Checked by \_\_\_\_\_

Date 1/6, 19 97 Party NB DK

Width 11.5 Area 4.5 Vel. 1.9 G. H. 2.24 Disch 8.56

Method 0.6 No. secs. 24 G. H. change 0.04 in 0.5 hrs. Susp. \_\_\_\_\_

Method coef. 0.6 Hor. angle coef. 1.0 Susp. coef. \_\_\_\_\_ Meter No. \_\_\_\_\_

Type of meter pygmy Date rated \_\_\_\_\_ Tag checked \_\_\_\_\_

Meter \_\_\_\_\_ ft. above bottom of wt. Spin before meas. \_\_\_\_\_ after \_\_\_\_\_

Meas. plots \_\_\_\_\_ % diff. from \_\_\_\_\_ rating. Levels obtained \_\_\_\_\_

**GAGE READINGS**

**WATER QUALITY MEASUREMENTS**

Time	Inside	Outside
<u>1151</u>	<u>CR10 2.0</u>	<u>Staff pt. 2.22</u>
<u>1214</u>	<u>2.1</u>	<u>2.26</u>
Weighted M.G.H.		
G.H. correction		
Correct M.G.H.		

No \_\_\_\_\_ Yes \_\_\_\_\_ Time \_\_\_\_\_  
Samples Collected \_\_\_\_\_  
No \_\_\_\_\_ Yes \_\_\_\_\_ Time \_\_\_\_\_  
Method Used \_\_\_\_\_  
EDI \_\_\_\_\_ EWI \_\_\_\_\_ Other \_\_\_\_\_

**SEDIMENT SAMPLES**

No \_\_\_\_\_ Yes \_\_\_\_\_ Time \_\_\_\_\_  
Method Used \_\_\_\_\_  
EDI \_\_\_\_\_ EWI \_\_\_\_\_ Other \_\_\_\_\_

**BIOLOGICAL SAMPLES**

Yes \_\_\_\_\_ Time \_\_\_\_\_  
No \_\_\_\_\_ Type \_\_\_\_\_

Check bar. chain found \_\_\_\_\_ changed to \_\_\_\_\_ at \_\_\_\_\_

Wading cable, ice, boat, upstr., downstr., side bridge 250 feet mile, above, below gage.

Measurement rated excellent (2%), good (5%), fair (8%), poor (over 8%); based on the following cond:

Flow steady

Cross section uniform sand

Control good

Gage operating \_\_\_\_\_ Weather \_\_\_\_\_

Intake/Orifice cleaned \_\_\_\_\_ Air \_\_\_\_\_ °C@ \_\_\_\_\_ Water \_\_\_\_\_ °C@ \_\_\_\_\_

Record removed \_\_\_\_\_ Extreme Indicator: Max. \_\_\_\_\_ Min. \_\_\_\_\_

Nitrogen Pressure Tank \_\_\_\_\_ Feed \_\_\_\_\_ Bbl rate \_\_\_\_\_ per min.

CSG checked \_\_\_\_\_ Stick reading \_\_\_\_\_

Observer \_\_\_\_\_

HWM \_\_\_\_\_ outside, in well \_\_\_\_\_

Remarks \_\_\_\_\_

River at-

ANGLE COEF- FICIENT	DIST. FROM INITIAL POINT	WIDTH	DEPTH	OBSERVA- TION DEPTH	REVO- LUTIONS	TIME IN SEC- ONDS	VELOCITY		ADJUST- ED FOR HOR. ANGLE OR -----	AREA	DISCHARGE .80
							AT POINT	MEAN IN VER- TICAL			
6.0	LEM @		1151	.6							
	6.0		.1		0	40					.85
	6.5		.3		28	40.3					
	7.0		.5		50	42.8					.90
	7.5		.5		47	40.2					.92
	8.0		.5		49	40.5					.94
	8.5		.4		60	39.6					.96
	9.0		.35		68	39.7					.97
	9.5		.35		77	40.8					.98
	10.0		.3		80	41.0					.99
	10.5		.3		88	43.8					1.00
	11.0		.4		98	40.9					.99
	11.5		.4		100	41.0					.98
	12.0		.4		105	40.3					.97
⊙	12.5		.45		124	40.5					.96
	13.0		.4		116	41.7					.94
	13.5		.45		116	42.2					.92
	14.0		.45		102	40.5					.90
	14.5		.45		103	44.0					.85
	15.0		.45		88	40.8					.80
	15.5		.5		77	40.1					.75
	16.0		.45		60	40.5					.70
	16.5		.4		52	40.9					.65
	17.0		.25		38	40.1					.60
	REW @		1213								.55
	17.5		0		0	40					.50